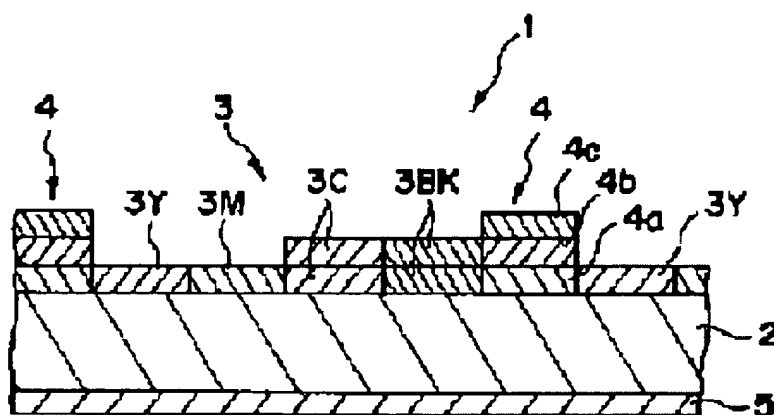


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JP09202059

THERMAL INK TRANSFER SHEET

DAINIPPON PRINTING CO LTD

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Application No. 08034411 , Filed 19960129 , Published 19970805

**Abstract:**

**PROBLEM TO BE SOLVED:** To enable an excellent parting property to be stably shown by providing at least, a single dye layer and a transferable protecting laminate in the order of faces on one of the faces of a base material sheet, and adding at least, a sublimable dye, a silicon graft polymer and a polysiloxane compound to the dye layer.

SOLUTION: This thermal ink transfer sheet 1 is composed of a dye layer 3 and a protecting laminate 4 to which the dye is transferred formed on one of the faces of a base material sheet 2. The dye layer 3 consists of yellow 3Y, magenta 3M and cyan 3C. In this case, the dye layer 3 contains at least, a sublimable dye, a silicone graft polymer and a polysiloxane compound, and also contains the same polymer as a polymer constituting the silicone graft polymer. In addition, the degree of polymerization of a siloxane chain of the polysiloxane compound is set to the range of 3-48, and the polysiloxane compound has the functional group of either  $\text{NH}_2$  or  $\text{NHR}$  (R is an alkyl group) on, at least, one of the terminals of or halfway through the chain.

**Int'l Class:** B41M00538 B41J03100

**MicroPatent Reference Number:** 000779540

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